

WHAT IS CLAIMED IS:

1. A vehicle interior structure comprising at least one air vent wall including:

at least one nonpermeable layer;

a nonpermeable surface layer; and

a permeable layer having a three-dimensional net construction, wherein:

the permeable layer is disposed between the nonpermeable layer and the nonpermeable surface layer;

the permeable layer has at least two welded nonpermeable portions, which are extended linearly; and

an air passage is formed between the welded nonpermeable portions.

2. The vehicle interior structure according to claim 1, wherein the welded nonpermeable portions are nonporous.

3. The vehicle interior structure according to claim 1, wherein:

the permeable layer is made of a synthetic resin; and

the welded nonpermeable portions are formed by way of welding with heat.

4. The vehicle interior structure according to claims 1, wherein:

the nonpermeable layer forms at least one of an exterior

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wall of the vehicle and a heat-insulating layer of the vehicle.

5. The vehicle interior structure according to claims 1, wherein the air passage between the welded nonpermeable portions is filled with the permeable layer.

6. The vehicle interior structure according to claim 1, wherein the air passage between the welded nonpermeable portions is a vacant space.

7. The vehicle interior structure according to claim 1, wherein the nonpermeable surface layer is a designed interior wall of the vehicle.

8. The vehicle interior structure according to claim 1, wherein the air vent wall further includes a filtering layer for filtering dusts, the filtering layer being disposed between the nonpermeable surface layer and the permeable layer.

9. The vehicle interior structure according to claim 8, wherein:

the filtering layer is formed integrally with one surface of the nonpermeable surface layer, the one surface facing the permeable layer; and

the filtering layer is made of a fabric material and electrified.

10. A vehicle temperature control system comprising:
at least one of an air conditioning unit and an air blower unit; and

the vehicle interior structure according to claim 1, wherein an interior of the vehicle is ventilated through the air passage of the air vent wall according to claim 1.

11. The vehicle temperature control system according to claim 10, wherein the vehicle temperature control system starts to ventilate the air inside the vehicle when temperature of the air inside the vehicle becomes a value higher than a predetermined value in a state where the vehicle is parked.

12. The vehicle temperature control system according to claim 10, wherein the vehicle temperature control system starts to ventilate the air inside the vehicle when an amount of sunlight irradiating the vehicle becomes a value larger than a predetermined value in a state where the vehicle is parked.

13. The vehicle interior structure according to claim 1, further comprising an air conditioner, which is communicated with the air passage, wherein:

the vehicle includes a roof, a door and a pillar;

the air vent wall is disposed on at least one of the roof, the door and the pillar of the vehicle; and

through the air passage of the air vent wall, air is blown toward an inside of the vehicle.

14. The vehicle interior structure according to claim 13, wherein a part of the nonpermeable surface layer is permeable and functions as an air outlet.